

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: NEAL D. HARTSELL ET AL.

Filed: JUNE 12, 2001

For: **SYSTEMS AND METHODS FOR BILLING IN INFORMATION  
MANAGEMENT ENVIRONMENTS**

Serial No.: 09/879,812

Group Art Unit: 2171

Examiner: UNKNOWN

Atty Docket No.: SURG:150

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Pursuant to 37 C.F.R. 1.8, I certify that this correspondence is being deposited with the U.S. Postal Service in a first class, postage prepaid envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on the date below:

2-8-02  
Date

Marty Bolen  
Name

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, it is respectfully requested that this Information Disclosure Statement be entered and the document(s) listed on attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

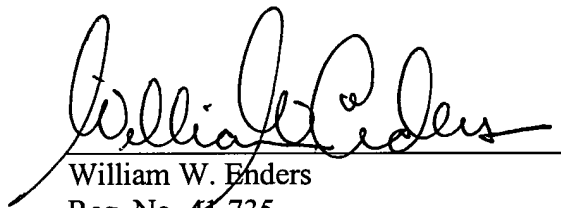
The present Information and Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in

accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Deposit Account No. 10-1205/SURG:150.

A copy of the listed document(s) required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

Applicant respectfully requests that the listed document(s) be made of record in the present case.

Respectfully submitted,

  
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Enclosures

**Form PTO-1449** (modified)Atty. Docket No.  
SURG:150Serial No.  
09/879,812

List of Patents and Publications for Applicant

Applicant  
NEAL D. HARTSELL ET AL.**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:  
June 12, 2001

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U.S. Patent Documents  
See Page 1Foreign Patent Documents  
See Page 2Other Art  
See Pages 2-4**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1	5,592,672	1/7/97	Grewal et al.			1/18/96
	A2	5,408,465	4/18/95	Gusella et al.			6/21/93
	A3	6,031,841	2/29/00	Woundy			12/23/97
	A4	6,002,667	12/14/99	Manning et al.			7/18/96
	A5	5,996,013	11/30/99	Delp et al.			4/30/97
	A6	5,982,771	11/9/99	Caldara et al.			7/18/96
	A7	5,941,951	8/24/99	Day et al.			10/31/97
	A8	5,940,372	8/17/99	Bertin et al.			7/12/96
	A9	6,091,725	7/18/00	Cheriton et al.			12/29/95
	A10	5,307,347	4/26/94	Duault et al.			4/10/92
	A11	5,490,258	2/6/96	Fenner			9/29/92
	A12	6,034,958	3/7/00	Wicklund			7/11/97
	A13	6,067,574	5/23/00	Tzeng			5/18/98
	A14	5,815,662	9/29/98	Ong			8/15/96
	A15	5,991,306	11/23/99	Burns et al.			8/26/96
	A16	5,987,611	11/16/99	Freund			5/6/97
	A17	6,035,418	3/7/00	Recio et al.			12/13/96
	A18	5,809,258	9/15/98	Bemanian et al.			1/6/97
	A19	5,334,962	8/2/94	Higgins et al.			5/29/90
	A20	5,941,969	8/24/99	Ram et al.			10/22/97
	A21	5,987,627	11/16/99	Rawlings, III			10/27/92
	A22	4,716,525	12/29/87	Gilanyi et al.			4/15/85
	A23	4,276,597	6/30/81	Dissly et al.			1/17/74

**Examiner:****Date Considered:**

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**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
✓	B1	WO 99/33229	7/1/99				Yes
✓	B2	WO 99/03298	1/21/99				Yes
✓	B3	WO 97/47113	12/11/97				Yes

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C1	"Network Processor Designs for Next-Generation Networking Equipment White Paper" <a href="http://www.exchip.com/html/tech_nsppaper.html">http://www.exchip.com/html/tech_nsppaper.html</a> , 8/30/00, pgs. 1-8
	C2	"C5DCP: C-5 Digital Communications Processor (DCP)" <a href="http://ebus.mot-sps.com/ProdCat/psp/0,1250,C5DCP~M957198845249,00.html">http://ebus.mot-sps.com/ProdCat/psp/0,1250,C5DCP~M957198845249,00.html</a> , 9/11/00, pgs. 1-5
	C3	Product Brief, C-Port A Motorola Company, "C-5 Digital Communications Processor" pgs. 1-8
	C4	Product Brief, Prism IQ2000, Family of Network Processors, "Ushering In A new Era Of Performance and Flexibility, pgs. 1-4
	C5	"Strategies to Protect Against Distributed Denial of Service (DDoS) Attacks" <a href="http://www.ieng.com/warp/public/707/newflash.html">http://www.ieng.com/warp/public/707/newflash.html</a> , 2/17/00, pgs. 1-6
	C6	Press Release, Vitesse and Power X Announce Agreement To Provide Solutions For High-Performance Networking Applications, <a href="http://www.sitera.com/news_events/pr_archive/partner_pr/pr090999.html">http://www.sitera.com/news_events/pr_archive/partner_pr/pr090999.html</a> , 9/19/00, pgs 1-3
	C7	Press Release, Power X Unveils Switch Fabric Breakthrough At Networkworld & Interop In Atlanta, <a href="http://www.px.uk.com/px_news_press_10.htm">http://www.px.uk.com/px_news_press_10.htm</a> , 9/19/00, pgs. 1-4
	C8	"SP2 High Performance Switch Overview" <a href="http://www.mhpc.edu/training/workshop/ibmhsw/switch.html">http://www.mhpc.edu/training/workshop/ibmhsw/switch.html</a> , 9/19/00, pgs. 1-4
	C9	CSIX Position Paper, "The Need For A New Common Switch/Fabric Interface To Support Next Generation Networks" <a href="http://www.csix.org/csixpp.htm">http://www.csix.org/csixpp.htm</a> , 9/19/00, pgs. 1-4

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Exam. Init.	Ref. Des.	Citation
	C10	Press Release, C-Port and Power X Announce Agreement To Deliver Integrated Solution For High-Performance Networking Applications" <a href="http://www.cportcorp.com/news/pr_990329.htm">http://www.cportcorp.com/news/pr_990329.htm</a> , 9/19/00, pgs. 1-3
	C11	"ASP Server Farm Load Balancing" <a href="http://www.asptoday.com/articles/20000822.htm">http://www.asptoday.com/articles/20000822.htm</a> , 10/10/00, pgs. 1-5
	C12	"Network Processor Units: The Rising Storm" <a href="http://www.sunworld.com/sunworldonline/swol-07-2000/f_swol-0700-npu.html">http://www.sunworld.com/sunworldonline/swol-07-2000/f_swol-0700-npu.html</a> , 8/30/00, pgs. 1-6
	C13	Russell Johnson, "Routing Depends on Switch Fabric" <a href="http://www.eetimes.com/printableArticle?doc_id=OEG20000124S0043">http://www.eetimes.com/printableArticle?doc_id=OEG20000124S0043</a> , 9/19/00, pgs. 1-4
	C14	Matsumoto and et al., "Startups Stake Out Turf in Network Processor Battle" <a href="http://www.eetimes.com/story/industry/semiconductor_news/OEG19990913S0028">http://www.eetimes.com/story/industry/semiconductor_news/OEG19990913S0028</a> , 9/11/00 pgs. 1-7
	C15	Braden, Ed., et al., "Resource ReSerVation Protocol (RSVP)", Version 1 Functional Specification, Sept. 1997
	C16	Blake, et al., "An Architecture for Differentiated Services", Dec. 1998
	C17	Nichols, et al., "Definition of the Differentiated Services Field (DS Field) in the Ipv4 and Ipv6 Headers", Dec. 1998
	C18	"White Paper-Introduction to QoS Policies", Stardust.com, Inc., July 6, 1999
	C19	"White Paper-QoS Protocols & Architectures", Stardust.com, Inc., July 8, 1999
	C20	"Technology Backgrounder-Quality of Service-Glossary of Terms", Compiled by Vicki Johnson, Stardust.com, Inc., May 1999
	C21	Platt, Charles, "The Future Will Be Fast But Not Free", May 2001
	C22	"Quality of Service (QoS) in the New Public Network Architecture", <i>IEEE Canadian Review</i> - Fall/Autumn 2000
	C23	Armitage, Grenville et al., "MPLS: The Magic Behind the Myths", <i>IEEE Communications Magazine</i> , January 2000

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Exam. Init.	Ref. Des.	Citation
	C24	InfiniBand™ Architecture Specification Volume 1 - Release 1.0, InfiniBand <sup>SM</sup> Trade Association, October 24, 2000
	C25	InfiniBand™ Architecture Specification Volume 2 - Release 1.0, InfiniBand <sup>SM</sup> Trade Association, October 24, 2000
	C26	Copending U.S. Application Serial No. 09/879,810, Filed June 12, 2001, "Systems and Methods for Providing Differentiated Service In Information Management Environments"
	C27	Copending U.S. Application Serial No. 09/879,811, Filed June 12, 2001, "Systems and Methods For Managing Differentiated Service In Information Management Environments"
	C28	Copending U.S. Application Serial No. 09/879,834, Filed June 12, 2001, "Systems and Methods For Prioritization In Information Management Environments"
	C29	Copending U.S. Application Serial No. 09/879,809, Filed June 12, 2001, "Systems and Methods For Resource Tracking In Information Management Environments"
	C30	Copending U.S. Application Serial No. 09/879,836, Filed June 12, 2001, "Systems and Methods For Configuration of Information Management Systems"
	C31	Copending U.S. Application Serial No. 09/879,848, Filed June 12, 2001, "Systems and Methods For Providing Differentiated Business Services In Information Management Environments"

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